Log of Changes to the 2002 Standard Specifications that are published in the 2004 Standard Specifications.

Standard Specification 1-02.4(1) General
This specification was revised by informing the contractor that he must also abide by all tribal regulations in addition to state, Federal and municipal agencies laws.

Standard Specification 1-02.6 Preparation of Proposal
This specification was revised to eliminate the requirement that if a unit contract bid price is left blank, the contracting agency will treat the item as no charge and adjust the total bid accordingly. Basically, we reverted back to the 1998 specifications.
In addition, the eighth paragraph was deleted to eliminate the requirement for a minimum bid per hour for traffic control labor.

Standard Specification 1-02.13 Irregular Proposals
This specification was revised to reflect the changes made to Standard Specification 1-02.6.

Standard Specification 1-04.4 Changes
In conjunction with the 1-04.6 rewrite, this revision adds a statement that quantities added by change orders are not considered when evaluating overruns or underruns on a contract.

Standard Specification 1-04.6 Increased or Decreased Quantities
This revision sets the basis for comparison to the plan quantity as the "net" increase or decrease, which is the final accepted quantity adjusted by any quantities included in change orders. It also cleaned up language to assure that we're discussing each item independently. It eliminates the reference in the last sentence to pricing a portion of a decrease that exceeds 25%. That "portion" would be imaginary and could not be priced. Some of the other specifics are as follows:

- It got rid of the meaningless expression "125%" and brought in the change order exclusion.
- It replaced all the definitions and limitations with a formula. Recognizes only redistribution of fixed costs and unavoidable overhead to units not realized below the 75% limit and arbitrarily sets these at 10% of the bid price. The equipment rate limitation only applies to increases and was moved to that section.
- Reaffirms that the first 25% of quantity variation is at the risk of the parties and adds language concerning doing this work not only for the bid price, but also at the bid time for completion.
- Cleans up language and adds change order force accounts to items that will not be eligible for renegotiation due to quantity variations.

Section 1-04.7 Differing Site Conditions (Changed Conditions)
This specification was deleted and replaced by GSP 04071.GR1. This GSP was utilized on federally funded projects. After review by the AG's office, the federal GSP met the needs for all our projects.

Standard Specification 1-05.13(1) Emergency Contact List
This is a new specification that requires the contractor to submit an Emergency Contact List. This information has been asked for at the Preconstruction meeting for years even though no specification required the information.

Standard Specification 1-07.1 Laws to be Observed
A minor change that reaffirms that the contractor must comply with tribal laws.

Standard Specification Division 1-07.5(4) Air Quality
This revision was added to inform the contractor of the State and Federal air quality standards and requirements, in relation to asbestos, while demolishing an existing facility.

Standard Specification 1-07.11(10)B Required Records and Retention
This specification was revised for consistency throughout the specifications by changing "completion" to read "final acceptance" as the beginning date for the retention of records.

Section 1-07.15 Temporary Water Pollution/Erosion Control

Standard Specification 1-07.15(1) Spill Prevention, Control and Countermeasures Plan, was added to this section as an amendment to replace GSP's 071502.FR1 & 071505.GR1. This specification also clarifies the elements to be included in the SPCC Plan and the implementation requirements to carry out the plan.

Standard Specification 1-07.15(1) Spill Prevention, Control & Counter Measures Plan

This amendment was revised for clarity by removing the reference to a special provision in the first sentence under the heading of "Implementation Requirements" as the special provision is now included in this amendment.

Standard Specification 1-07.16 Protection and Restoration of Property

This section adds a standard specification for the protection and salvage of archaeological and historical objects.

Standard Specification 1-08.10(3) Termination for Public Convenience Payment Request

This section was rewritten to clarify eligible costs and how the costs involved in the termination should be prepared and submitted for payment.

Standard Specification 1-08.10(4) Payment for Termination for Public Convenience

This section was rewritten to clarify eligible costs and how the costs involved in the termination should be prepared and submitted for payment.

Standard Specification 1-09.2(4) Specific Requirements for Belt Conveyor Scales

This section was revised by changing the reference in the first paragraph from the "National Bureau of Standards Handbook No. 44" to the "National Institute of Standards and Technology (NIST) Handbook No. 44." This will allow the reader to find the handbook via the Internet.

Standard Specification 1-09.6 Force Account

The Force Account specification was revised to correct some difficulties in administering the costs for safety training and health testing. The per hour cost was removed and an agreed upon 3% mark-up was added to the labor cost to account for this cost. There was also a clarification made to the specification that addresses after-the-fact quotations for equipment and services costs.

Standard Specification 1-09.9 Payments

This specification was revised by informing the contractor that he must also abide by all tribal regulations in addition to state, Federal and municipal agencies laws.

Standard Specification 1-10.2 Traffic Control Management

The specifications in this section were rewritten in response to findings by the Workzone Safety Task Force subcommittee. The findings the committee found were as follows:

- The TCM does not have enough authority
- It is not defined that the TCM supervises the TCS
- The TCS diaries are not reviewed and submitted
- The TCM is frequently not present on the project
- The TCS lacks the resources to carry out his/her function

Standard Specification 1-10.2(3) Conformance to Established Standards

This eliminates the requirement that after October 1, 2002 all Category 4 traffic control devices have to be placed behind a crashworthy barrier or a shielded by a Truck-Mounted attenuator or crash cushion if they do not meet the requirements of NHCRP 350. The FHWA removed the criteria until further notice.

This specification was also revised to delete the language in the Category 2 section of this specification that references a list of devices, contained in the Contract Documents, deemed NCHRP 350 compliant.

Standard Specification 1-99 APWA Supplement (For Local Agencies Only)

Three sections were revised or added as follows:

- Section 1-01.3 on Page 111 was modified by revising the third paragraph to clarify the types of legal actions that arise prior to the contract being signed.
- A new section was added by modifying Section 1-02.9 of the Standard Specifications. The Standard Specifications require that the proposal be submitted in the envelope provided by the contracting agency. The local agency wants to determine what the Contractor will use to turn in their proposal as most of the time the local agency does not supply an envelope.

- Section 1-10.5 on page 1-130 was deleted as the WSDOT eliminated the specification that required a minimum bid for the "Labor for Traffic Control" item.
- Revised the Introduction and revised Section 1-04.2 of the Standard Specifications (Order of Precedence).

In addition, this section was totally reformatted to make it easier on the local agency designers including these specifications in their projects.

Standard Specification 2-03.3(14) D Compaction and Moisture Control Tests

This was revised the testing procedure for in place density.

Standard Specification 2-03.4 Measurement and 2-03.5 Payment

These sections were completely rewritten and reorganized to eliminate redundancy and provide clarity for the user.

Standard Specification 5-01 Cement Concrete Pavement Rehabilitation

This specification was rewritten to add specifications for the replacement of concrete panels, partial depth spall repairs, dowel bar retrofitting, crack sealing, and pavement grinding which were recently added to the Standard Plans. Most of these additions have been added via a special provisions on past construction projects.

Standard Specification 5-04 Asphalt Concrete Pavement

This Specification was totally rewritten to include the SuperPave specifications as the standard for all projects. It was also renamed "Hot Mix Asphalt" in lieu of Asphalt Concrete Pavement.

Standard Specification 5-05.3(1) Concrete Mix Design for Paving

The testing procedure needed to determine the flexural strength so the contractor could provide data from beams and cylinders to develop a conversion factor was not listed in the 2002 Standard Specifications. This revision added the test procedure and also the use of non-chloride accelerating admixtures for concrete paving. This section was also revised to delete the requirement for the14 day compressive strength data for use in determining a conversion factor of flexural strength to compressive strength. Now, only the 28 day compressive strength will be utilized in determining the conversion factor.

Standard Specification 5-05.3(4)A Acceptance of Portland Cement Concrete Pavement

This specification was revised to raise the lower limit of the compressive strength for statistical evaluation from 1000 psi to 1200 psi per the recommendation of the American Concrete Pavement Association and the WSDOT joint committee.

Standard Specification 5-05.3(10) Tie Bars and Dowel Bars

The seventh paragraph was revised to comply with the newly revised Standard Specification 9-26 "Epoxy Systems".

Standard Specification 5-05.3(18) Cement Concrete Approach

This section was deleted and moved to new section 8-06. This revision also prompted a deletion of the measurement and payment items contained in Sections 5-05.4 and 5-05.5.

Standard Specification 5-05.3(19) Reinforced Concrete Bridge Approach Slabs

The fifth paragraph in this section was revised to reflect the changes made to Standard Plan A-2.

Standard Specification 5-05.3(22) Repair of Defective Pavement Slabs

The third paragraph was revised to comply with the newly revised Standard Specification 9-26 "Epoxy Systems".

Standard Specification 6-02.3(2)A Contractor Mix Design and 6-02.3(2)B Commercial Concrete

These two sections were revised to require a minimum cementitious material content of 564 pounds in lieu of the previous 565 pounds (a true six sack mix).

Standard Specification 6-02.3(4)A Qualification of Concrete Suppliers

This specification was revised by changing the minimum amount of revolutions after adding water at the jobsite from 70 to 30. This change was recommended by a joint team meeting between the WSDOT and the Washington Aggregate and Concrete Association.

Standard Specification 6-02.3(4)C Consistency

This section was revised, in conjunction with WACA and AGC, to allow up to a 9-inch slump while utilizing Class 4000P concrete during drilled shaft construction and a 5.5-inch slump for all concrete placed while constructing curbs, sidewalks, and gutters.

Standard Specification 6-02.3(5)A General
This specification was revised by changing the word "Proceeding" contained in the first sentence in Item No. 2 to "Preceding".

Standard Specification 6-02.3(6) Placing Concrete
This section was revised by eliminating the requirement for a concrete pump operator to be certified by the American Concrete Pumping Association and allowing the contractor the option of not releasing the deck overhang falsework prior to constructing the barrier if calculations are submitted to the Engineer addressing the loads induced into the girder webs.

Standard Specification 6-02.3(6)A Weather and Temperature Limits to Protect Concrete
The Cold Weather Protection section of this specification was revised to give the inspectors and the contractors a little more flexibility, while still protecting the concrete.

Standard Specification 6-02.3(10) Roadway Slabs
This specification was supplemented by allowing the use of a non-conventional finishing machine for deck widenings 20 feet or less due to traffic or other constraints.

Standard Specification 6-02.3(11) Curing Concrete
This specification was revised by deleting the requirement that retaining walls, culvert sidewalls, and culvert floors be kept continuously wet for ten days. This was deleted, for consistency, based on the fact that all other walls and concrete of this nature only have to be kept wet for three days.

Standard Specification 6-02.3(14)B Class 2 Surface Finish
This was revised to alert the contractor that a Class 1 finish could be indicated in the plans where it might normally be a Class 2 finish.

Standard Specification 6-02.3(17)D Falsework Support Systems: Piling, Temporary Concrete Footings, Timber Mudsills, Manufactured Shoring Towers, Caps and Posts
Number 1 under the sixth paragraph was revised by correcting an AASHTO test specification to AASHTO T 235.

Standard Specification 6-02.3(17)J Face Lumber, Wales, and Metal Forms
This section was revised to remove "traffic barriers" as an item that is not required to have beveled corners as it conflicted with the Standard Plans.

Standard Specification 6-02.3(24)C Placing and Fastening
This section was silent regarding the placement and fastening epoxy-coated reinforcing steel. Therefore, the section, describing placement and fastening, in Standard Specification 6-02.3(24)H was added to this section.

Standard Specification 6-02.3(24)H Epoxy-Coated Steel Reinforcing Bar
This specification was revised by moving the placement and fastening portion of the specification to Section 6-02.3(24)C and retaining a reference to 6-02.3(24)C for placing and fastening.

Standard Specification 6-02.3(25) Prestressed Concrete Girders
This section was revised throughout by adding standard specifications for concrete tub girders and segmental prestressed concrete "I" and "tub" girders. The revised subsections throughout Section 6-02.3(25) are as follows: 6-02.3(25), 6-02.3(25)A, 6-02.3(25)B, 6-02.3(25)C, 6-02.3(25)D, 6-02.3(25)E, 6-02.3(25)F, 6-02.3(25)G, 6-02.3(25)I, 6-02.3(25)L, and 6-02.3(25)M.

Standard Specification 6-02.3(25)E Contractors Control Strength
The tenth paragraph was revised to comply with the newly revised Standard Specification 9-26 "Epoxy Systems".

Standard Specification 6-02.3(26)E Ducts
This specification was revised to add current specific material properties for high-density polyethylene pipe utilized for post-tensioning ducts. This was necessary as "Table X1", outlining the properties, currently listed in the specifications no longer exists in ASTM D 3350.

Standard Specification 6-02.3(26)H Grouting
This section was revised to revise the flow rate for grout to comply with ASTM C 939.

Standard Specification 6-02.3(28) Precast Concrete Panels
This specification was revised to allow a concrete precaster to be prequalified by either PCI, NPCA or ICBO. (If the precast element contains prestressing the concrete precaster still has to be prequalified by PCI only.)

Standard Specification 6-02.3(28)B Casting
This section was revised in conjunction with WACA and AGC to allow precast panel fabricators to use a higher slump of concrete while constructing precast panels due to the clearances of the reinforcing steel.
Standard Specification 6-02.4 Measurement
This specification revised the method of calculation for the volume of concrete for a seal within a cofferdam.
Standard Specification 6-03.3(21)C Web Splices and Fillers
This section was revised to replace the discontinued ASTM steel specification with two new ASTM specifications for steel utilized for filler plates.
Standard Specification 6-03.3(25) Welding and Repair Welding
This specification was revised to update the welding codes issued by the American Welding Society. This change was also included in Standard Specification 6-03.3(25)A.
Standard Specification 6-05.3(3) Manufacture of Precast Concrete Piling
This specification was revised to reflect the changes made to Standard Plans E-4 and E-4a.
Standard Specification 6-05.3(9)A Pile Driving Equipment Approval
Due to the failure of steel piles and casings for cast-in-place concrete piles during pile driving operations, the wave equation in the approval of pile driving equipment was revised to insure that undue stresses are not produced while driving steel cases and piles.
Standard Specification 6-05.5 Payment
This section was modified to correct a conflict in the payment section by revising the bid item "Precast Concrete Pile Buildup" from "per each" to "force account".
Standard Specification 6-07.3(1) Painting New Structures
This Specification was revised to delete the use of Organic Primer A-11-99 under Method B as a shop applied Primer Coat. This was prompted due to the fact that inorganic primers provide us with a superior corrosion protection cover.
Standard Specification 6-07.3(1)A Preparation for Shop Coating
This specification was modified to specify a roughened surface of one mil minimum or the paint manufacturer's recommendation; whichever is greater, prior to painting the steel surface.
Standard Specification 6-07.3(2)A Bridge Cleaning
This specification revises the filter fabric specifications (reduces the sieve size) based on current construction practices on WSDOT Bridge Painting projects.
Standard Specification 6-07.3(2)C Testing And Disposal of Containment Waste
This specification was revised to define containment waste.
Standard Specification 6-07.3(4) Painting Galvanized Surfaces
This specification was modified to add the Environmental Conditions (temperature) for the steel surface prior to galvanization or the manufacturer's recommendation whichever is more stringent.
Standard Specification 6-07.5 Payment
This specification was revised to clarify the intent of the bid item "Testing and Disposal of Containment Waste" per force account. Under the existing language the contractor thought the owner should pay for the disposal of the entire containment system (i.e.: wood, plastic etc.) which was not the intent of the specification.
Standard Specification 6-09 Vacant
This section was renamed Modified Concrete Overlays and all general GSP's for modified concrete overlays were elevated to an amendment with exception of a few fill-in GSPs.
Standard Specification 6-10.3(1) Precast Concrete Barrier
This section was revised by adding a specification for the placement of Self Compacting Concrete (SCC).
Standard Specification 6-10.3(2) Cast-in-Place Concrete Barrier
This section was revised to identify areas of concern provided by field personnel that were not addressed in the standard specification. The changes include requirements necessary for the stabilization of the rebar cage, defining the "default" spacing, and identifying the tolerances for the vertical and longitudinal face of the barrier.
Standard Specification 6-10.3(7) Concrete Barrier Berm Type 1
Concrete Barrier Berm Type 1 was deleted for use in the Design Manual in May of 2000 and deleted as a Standard Plan in October of 2000 due to safety issues. Based on this, the specification has been deleted and

specifications 6-10.4 and 6-10.5 were modified under the headings of Measurement and Payment to reflect this deletion.

Standard Specification 7-01.2 Materials

The Corrugated Polyethylene Drain Pipe diameter sizes were revised to a 10 inch maximum diameter for the pipe described in section 9-05.1(6) and to a 36 inch diameter for section 9-05.1(7).

Standard Specification 7-04.3(1)F Low Pressure Air Test for Storm Sewers Constructed of Non Air-Permeable Materials

This section was revised to exempt pipe runs containing no pipe joints from the air test requirements.

Standard Specification 7-05.2 Materials

This was a minor revision to correct a specifications reference to Gravel Backfill for Drywells.

Standard Specification 7-08.3(1)A Trenches

This specification was revised by deleting the maximum length of trench that could be open at any one time. It also informed the contractor that the trench shall be closed up or covered with steel plates at the end of the day or protected in accordance with the open trench section of Standard Specification 1-07.23(1).

Standard Specification 7-08.4 Measurement

The word “culvert” in the fifth paragraph was replaced with the word “pipe” for uniformity.

Standard Specification 7-09 Pipe and Fittings for Water Mains

This section was renamed **“Water Mains”** and was combined with sections 7-10 and 7-11 as recommended by the AGC/WSDOT Division 7 team since all of the sections dealt with water main construction.

Standard Specification 7-09.3(7) Trench Excavation

This specification was revised by deleting the maximum length of trench that could be open at any one time. It also informed the contractor that the trench shall be closed up or covered with steel plates at the end of the day or protected in accordance with the open trench section of Standard Specification 1-07.23(1).

Standard Specification 7-10 Trench Exc., Bedding, and Backfill for Water Mains

This section was combined with 7-09 and 7-11 and is now Vacant. See Standard Specification 7-09 above for details regarding this revision.

Standard Specification 7-11 Pipe Installation For Water Mains

This section was combined with 7-09 and 7-10 and is now Vacant. See Standard Specification 7-09 above for details regarding this revision.

Standard Specification 7-12.3(1) Installation of Valve Marker Post

The reference to “Meters” was revised to “Feet and Inches”

Standard Specification 7-14.5 Payment

This specification was revised by deleting all the references to 7-11.5 and replacing them with the correct reference, 7-09.5.

Standard Specification 7-15.1 General

This section was revised by the WSDOT/AGC Division 7 team to expand the description of work for clarity by identifying the size of service connections to water mains as 2-inch and smaller connections only. The larger connections are now identified in section 7-09.

Standard Specification 7-17.3(2)F Low Pressure Air Test for Sanitary Sewers Constructed of Non Air-Permeable Materials

This section was revised to exempt pipe runs containing no pipe joints from the air test requirements.

Standard Specification 8-01 Erosion Control and Water Pollution Control

The entire section was rewritten based on a statewide review to eliminate numerous Region General Special Provisions and add new methods and products and/or BMP methods currently utilized statewide for erosion control.

Standard Specification 8-02 Roadside Planting

The entire section was rewritten based on a statewide review to eliminate numerous Region General Special Provisions. The major revisions are the combining of the Weed Control work into one activity, if plants are stolen or damaged by the acts of others, the Contracting Agency will pay for the invoice cost only for the replacement plants with no mark-up and the contractor will be responsible for the labor to install the replacement plants.

Standard Specification 8-03 Irrigation System
Minor revisions were made throughout this section to correct various minor issues and keep up with the current irrigation installation methods. Also, the electrical installation portion of this specification was revised to clarify the need for a certified electrician when dealing with other than a 24 volt system as outlined in the current RCWs.

Standard Specification 8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways
This specification was revised to reflect the changes made to the Standard Plans involving the expansion joints for Cement Concrete Curbs, Gutters, and Spillways.

Standard Specification 8-04.3(1)A Extruded Cement Concrete Curb
The third paragraph was revised to comply with the newly revised Standard Specification 9-26 "Epoxy Systems".

Standard Specification 8-04.5 Payment
This specification was revised by adding new bid items included in the Standard Plan update effective April 7, 2003.

Standard Specification 8-05 Integral Cement Concrete Curb
This section was deleted and moved to Section 8-04 to reflect the changes in the Standard Plan update effective April 7, 2003.

Standard Specification 8-06 Cement Concrete Driveway Entrances (New Section)
This is a new section that was added to consolidate all existing specifications and reflect the changes in the Standard Plans involving Cement Concrete Driveway Entrances. This section also contains the specifications that currently exist in Section 5-05.3(18).

Standard Specification 8-08 Rumble Strips
This section was revised throughout to reflect the changes to the Standard Plan update effective April 7, 2003. The Shoulder Rumble Strips now include four different types.

Standard Specification 8-09.3(3) Adhesive Preparation
This specification was rewritten to follow the manufacturer's recommendations in the placement of the new flexible bituminous pavement adhesive as specified in 9-02.1(8).

Standard Specification 8-10.2 Materials
The second paragraph was revised to comply with the newly revised Standard Specification 9-26 "Epoxy Systems".

Standard Specification 8-11.3(1) C Erection of Rail
This revision allows the use of galvanized bolts, nuts and washers while connecting weathering steel guardrail to the posts and blocks.

Standard Specifications 8-11.4 Measurement and 8-11.5 Payment
This revision adds a measurement and payment specification for the new bid items "Beam Guardrail Buried Terminal Type 1", "Beam Guardrail Buried Terminal Type 2" and "Beam Guardrail Placement – 25 Foot Span".

Standard Specification 8-12.4 Measurement
Based on some confusion regarding the measurement of a gate post, the second paragraph was revised to add the word "gate" indicating that the posts are measured per each.

Standard Specification 8-12.5 Payment
Based on some confusion regarding the payment of a gate post, the second paragraph was revised to add the word "gate" indicating that the posts are paid per each.

Standard Specification 8-14.3(3) Placing and Finishing Concrete
This section was revised to reflect numerous changes to the Standard Plans for Cement Concrete Sidewalks, effective April 7, 2003. The major revision includes compliance with the new ADA rules for detectable warning devices (truncated domes) at the bottom of the curb ramps.

Standard Specification 8-15.3(6) Quarry Spalls
This specification was revised to clarify the compaction requirements for quarry spalls.

Standard Specification 8-20 Illumination, Traffic Signal Systems, and Electrical

This section was totally rewritten and brought up to date at the request of the Headquarters Traffic Office. Some of the major revisions include code references, bonding and grounding requirements, junction box requirements, and the addition of ITS specifications.

Standard Specification 8-21.2 Materials

This revises the references for the materials used to construct permanent signing including sign bridges, cantilever and bridge mounted signs.

Standard Specification 8-21.3(9)A Fabrication of Steel Structures

This specification was found to be too general in nature. Therefore, the specification was expanded to provide a more descriptive method of the cleaning and welding procedure while constructing steel sign structures.

Standard Specification 8-21.3(9)B Grout

This section was deleted and is now Vacant at the request of the Headquarters Bridge Office by eliminating the grout pads for sign bridges and cantilever sign structures and replacing them with "rodent barriers" to allow for the inspection of the bolted connections.

Standard Specification 8-21.3(9)F Bases

The last sentence in the eleventh paragraph was deleted because the grout pads for sign bridges and cantilever sign structures were replaced with "rodent barriers" to allow for the inspection of the bolted connections. See Standard Specification 8-21.3(9)B above for more explanation.

This specification was also revised to specify the use of concrete Class 4000P when water is encountered during the excavation of sign structure Type 1 shaft foundations, to be consistent with bridge shaft construction per 6-02.3(6)B.

Standard Specification 8-22.1 Description

This section was revised to clarify the descriptions for a Railroad Crossing Symbol and Drainage Markings due to responses from field personnel. It also added a description for a Bicycle Lane Symbol that will be added to Standard Plan H-5c, effective August 5, 2002.

Standard Specification 8-22.2 Materials

Minor revision to include a reference to Section 9-34.

Standard Specification 8-22.3(3) Marking Application

A Minor revision to correct the headings of the chart titled "Marking Material".

Standard Specification 8-22.4 Measurement

This section was revised by adding a measurement statement for the placement and removal of a Bicycle Lane Symbol added to Standard Plan H-5c.

Standard Specification 8-22.5 Payment

This section was revised by adding a payment statement for the placement of a painted or plastic Bicycle Lane Symbol added to Standard Plan H-5c.

Standard Specification 8-23.1 Temporary Pavement Markings

This section was revised at the request of contractors and field personnel. Their concerns outlined that our specification did not adequately define the responsibility of payment of painted traffic lines during staged construction projects. Based on these comments, this revision allows painted center lines, edge lines, lane lines, and temporary raised pavement markers to be replaced and paid for by the owner if, in the opinion of the Engineer, they were damaged due to normal wear by the traffic.

Standard Specification 8-23.4 Measurement

This section was revised to allow for the measurement of damaged painted markings and raised pavement markings due to normal wear by traffic. It also clarifies that damaged temporary markings utilizing tape shall not be measured and are the responsibility of the Contractor. See comments provided in 8-23.1 for more details defining this revision.

Standard Specification 8-23.5 Payment

This section was revised to clarify that no additional compensation will be allowed for temporarily taped markings that have been damaged or worn. See comments provided in 8-23.1 for more details defining this revision.

Standard Specification 9-00.8 Sand Equivalent
This specification was revised to change the test procedure for determining Sand Equivalent value of various aggregate materials. Please see the Project Delivery Memo Number 03-03 dated August 6, 2003 for more details regarding this revision.

Standard Specification 9-01.2(1) Portland Cement
This section was revised to allow the use of non-chloride accelerating admixtures.

Standard Specification 9-02.1(4) Asphalt Cements
A specification chart was added now that Performance-Graded Asphalt Binders has become a full AASHTO Standard. Also the AASHTO designation has been revised from MP-1 to M-320.

Standard Specification 9-02.1(8) Flexible Bituminous Pavement Marker Adhesive
This specification replaced the existing specification titled "Hot Melt Traffic Button Adhesive" due to numerous button failures in recent years.

Standard Specification 9-03 Aggregates
This Sections was revised throughout to revise the Sand Equivalent values to reflect the new test procedure specified in Section 9-00.8. They are as follows: 9-03.4(2), 9-03.6(3), 9-03.8(2), 9-03.8(4), 9-03.9(1), 9-03.9(3),9-03.9(4),9-03.10, 9-03.12(2), 9-03.12(3), 9-03.14(1), and 9-03.14(2).

Standard Specification 9-03.1(1) General Requirements
The use of the test method ASTM C 441 testing the Fly Ash for expansion reaction was found to be redundant and therefore deleted from the specification.

Standard Specification 9-03.1(5)B Grading
This section was supplemented to add the ASTM requirement for sieve sizes due to concern from the industry.

Standard Specification 9-03.6(1) General Requirements and 9-03.6(3) Test Requirements
These specifications were totally rewritten to include the SuperPave specifications for ATB as the standard for all projects.

Standard Specification 9-03.8(2) HMA Test Requirements, 9-03.8(6) HMA Proportions of Materials, & 9-03.8(7) HMA Tolerances and Adjustments
These specifications were totally rewritten to include the SuperPave specifications as the standard for all projects.

Standard Specification 9-03.9(3) Crushed Surfacing
This change revises the percent passing the ½ inch screen from 90-100 to 80-100 to correct a publishing error while revising all the test procedures to meet the AASHTO requirements.

Standard Specification 9-03.11 Recycled Portland Cement Concrete Rubble
The section was deleted and moved to 9-03.21 to incorporate all the recycled products under one section.

Standard Specification 9-03.12(3) Gravel Backfill for Pipe Zone Bedding
This corrects an error by indicating the percent passing the U. S. No. 200 screen to be "10.0 max" in lieu of "10.0".

Standard Specification 9-03.15 Vacant
This section added a specification for **"Native Material for Trench Backfill"** in conjunction with the 7-09, 7-10, & 7-11 rewrite.

Standard Specification 9-03.20 Test Methods for Aggregates
The Headquarters Materials Lab deleted the use of Test Method WSDOT FOP for AASHTO T 30 and therefore it was deleted from this specification.

Standard Specification 9-03.21 Recycled Material
This section was reorganized to include all the recycled products including Asphalt Concrete Pavement and Portland Cement Concrete Rubble from Specification 9-03.11.

Standard Specification 9-03.21(5) Steel Furnace Slag
This is a new specification adding the use of steel furnace slag as a recycled material additive.

Standard Specification 9-04.6 Expanded Polystyrene
The density of the Expanded Polystyrene was revised to read "1.5 plus or minus 0.25" pounds per cubic foot. This corrected a publication error dating back to the publishing of the 1996 standard specifications.

Standard Specification 9-05.2(7) Perforated Corrugated Polyethylene Drainage Tubing Underdrain Pipe
This section was revised to bring it up to the current AASHTO requirements.
Standard Specification 9-05.2(8) Perforated Corrugated Polyethylene Underdrain Pipe
This section was revised to bring it up to the current AASHTO requirements.
Standard Specification 9-06.5(4) Anchor Bolts
This corrects a specification reference, for the lubrication of the anchor bolts in paragraph 2, from "9-05.4(3)" to "9-06.5(3)".
Standard Specification 9-07.1(1) A Acceptance of Materials
This specification was added to elevate GSP 06021.GR1 to an amendment so reinforcing steel could be accepted on any project no matter what size designation is used to mark the bars. (Metric or English).
Standard Specification 9-07.1(4) Inspection
This specification was deleted because the notice and inspection of rolling the steel is no longer required in 6-03.3(1).
Standard Specification 9-09.1 General Requirements
This specification was revised to delete the use of Western Red Cedar posts. This was requested by five of the six Region Maintenance Engineers due to the rotting off of the posts at ground line after only a couple of years of service.
Standard Specification 9-09.2(3) Inspection
This specification was revised to clarify the acceptance criteria for the grade of timber utilized for Structures and timber utilized for Guardrail Posts, Sign Posts, Mileposts, Sawed Fence posts, and Mailbox Posts to correct an existing conflict between the spec book, Construction Manual and the Qualified Products List.
Standard Specification 9-10.5 Steel Piling
This specification was revised to allow an alternate material (ASTM A 992) for use as steel piling due to industry trends.
Standard Specification 9-12.4 Precast Concrete Manholes
The reference to "42 inch end of each cone" in the fifth sentence of the second paragraph revised to "48 inch end of each cone" to correspond with the drawings in the Standard Plans.
This specification was also revised by allowing fiber reinforcement at a rate of one pound per cubic foot to be included in the concrete mix design for the construction of manholes.
Standard Specification 9-14 Erosion Control and Roadside Planting
This revision added specifications for various new erosion control items such as compost, wattles, geotextile-encased check dams, and erosion control blankets, and minor items for clarity.
Standard Specification 9-15 Irrigation System
This was revised by making minor grammatical changes throughout the section.
Standard Specification 9-16.3(1) Rail Element
This specification was revised to reflect the changes issued in the Standard Plans effective April 7, 2003 relating to the materials used in the rail elements used in beam guardrail installation.
Standard Specification 9-16.3(2) Posts and Blocks
This section was revised to eliminate the use of CCA (chromated copper arsenate) as a preservative in treating wood products due to a federal requirement.
Standard Specification 9-16.2(3) Wood Fence Posts and Braces
This section was revised to correct the treatment and penetration rates for round and sawn wood posts. It also eliminated the use of CCA (chromated copper arsenate) as a preservative in treating wood products due to a federal requirement.
In addition, this section was also revised by clarifying the fact that western red cedar products will not require preservative treatment of any kind.

Standard Specification 9-16.8(1) Rail and Hardware
This revision allows the use of galvanized bolts, nuts and washers while connecting weathering steel guardrail to the posts and blocks.
Standard Specification 9-17.4 Pre-approval
This revises the address for the Headquarters Material Lab.
Standard Specification 9-20 Concrete Patching Material (New Section)
This is a new section that adds material specifications for concrete patching material involved with replacement if concrete panels, partial depth spall repairs, dowel bar retrofitting, and crack sealing. This relates to the total rewrite of Section 5-01.
Standard Specification 9-23.6 Admixture for Concrete
This section was revised to add the specifications for the non-chloride accelerating admixtures and inform the user that the accelerators can only be used in Portland cement concrete pavement per Section 5-05 and 5-05.3(1).
Standard Specification 9-26 Epoxy Systems
This section was totally rewritten to bring it up to current industry standards.
Standard Specification 9-28.8 Sheet Aluminum Signs
This section was revised to allow the use of a thinner aluminum sheeting thickness for construction work zone signs to come in line with industry standards. With this provision, orange signs may be 0.125 inches like permanent signs, but may also be as thin as 0.080 inches.
Standard Specification 9-28.11 Hardware
This revision updated all the stainless steel specifications and ASTM references for the signing hardware.
Standard Specification 9-28.12 Reflective Sheetings
This specification was revised to accomplish two items involving the reflective sheeting. They are as follows:

- First it brings the material up to date with the new ASTM D 4956-1 standards and

Secondly, it eliminates confusion within the industry by combining two different fluorescent orange reflective sheeting types into one type of sheeting.
Standard Specification 9-28.14(1) Timber Sign Posts
This section was revised by removing retention and penetration requirements for treating the timber sign posts and referring the supplier to the newly revised 9-16.2(3) for these requirements.
Also included in the revision, is the deletion of the use of Western Red Cedar posts for the installation of signs and mileposts. This was requested by five of the six Region Maintenance Engineers due to the rotting off of the posts at ground line after only a couple of years of service.
Standard Specification 9-28.14(2) Steel Structures and Posts
This section was revised to bring it in line with the March 2002 standard plan revision for overhead sign structures and to correct the AASHTO references.
Standard Specification 9-28.15 Sign Lighting Luminaires
This section was amended to allow the use of a new type of lighting fixture (“Induction Lighting”), as an energy cost saving effort.
Standard Specification 9-29 Illumination, Signals, Electrical
This section was rewritten and brought up to date at the request of the Headquarters Traffic Office. The major revisions include specifications for materials utilized in ITS construction, decorative luminaires, LED lights for signal and pedestrian systems, innerduct and outerduct conduit, standard junction boxes, fiber optic cable, luminaires, and testing requirements of traffic control cabinets.
Standard Specification 9-30.1(2) Vacant
This section is renamed and adds a specification for Polyethylene Encasement for water distribution materials in conjunction with the 7-09 rewrite.
Standard Specification 9-30.1(5)A Polyvinyl Chloride (PVC) Pipe (4 inches and Over)
This adds an optional specification for PVC pipe in conjunction with the 7-09 rewrite.
Standard Specification 9-30.1(6) Polyethylene (PE) Pressure Pipe (4 inches and Over)
This adds a new specification for polyethylene pipe in conjunction with the 7-09 rewrite.
Standard Specification 9-30.2(4)A Steel Pipe (6 inches and Over)
This specification was rewritten to bring the specifications for steel pipe to current standards.

Standard Specification 9-30.2(8) Restrained Flexible Couplings
This section was revised at the request of the WSDOT/AGC Division 7 Team to eliminate the use of a coupling that utilizes set screws tightened against the outside wall of a pipe.
Standard Specification 9-30.2(9) Grooved and Shouldered Joints
New section allowing grooved and shouldered waterline joints in conjunction with the 7-09 rewrite.
Standard Specification 9-30.2(10) Polyethylene (PE) Pipe (4 inches and Over)
New section adding the specifications for Polyethylene pipe fittings in conjunction with the 7-09 rewrite.
Standard Specification 9-30.2(11) Fabricated Steel Mechanical Slip-Type Expansion Joints
New section adding steel mechanical slip-type expansion joints for ductile iron or PVC pipe in conjunction with the 7-09 rewrite.
Standard Specification 9-30.3(5) Valve Marker Posts
This revision changed the word “meter” in the third paragraph to “feet”.
Standard Specification 9-31.1 Requirements
This revision updated the steel shim specifications for the elastomeric bearing pads.